What is claimed:

1	1.	A system to facilitate the invocation of a CICS transaction within a server central processing
2	unit vi	a a client central processing unit communicated request, converting said invoked transaction's
3	output	to an XML document and the communicating of said XML document to said client centra

processing unit comprising:

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at least one server central processing unit executing CICS under the dispatching control of said server's operating system;

at least one client central processing unit; and

software executing within said server central processing unit which adapts said server to respond to a request communicated from said client central processing unit by invoking the execution of a CICS transaction within said server, converting said executed transaction's output to an XML document and communicating said XML document to said client central processing unit.

- 2. The system of claim 1 further comprising at least one intermediary central processing unit which first receives said transmitted request prior to communicating the request to said server central processing unit.
- 3. A computer based method for facilitating the invocation of a CICS transaction within a server central processing unit via a client central processing unit communicated request, converting said

invoked transaction's output to an XML document and communicating said XML document to said
client central processing unit comprising:

receiving an input request from a client;

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converting said received request to a standardized format;

identifying said request as an initial or subsequent request by determining the presence or non-presence of a token communicated with the request;

creating data structures required to invoke a CICS transaction if initial request, or present data if responding to a prior request;

initiating a CICS transaction if initial request, or providing data to previously initiated transaction if responding to a prior request;

awaiting and identifying response to said transaction initiation or said data provision from a group of possible responses including the transaction issued an output command, the transaction issued an input command, the transaction ended, or the transaction ended abnormally;

continuing process execution based upon results of said identification; generating an XML document based upon said continuing process execution; and waiting for the next communicated input request.

4. The method of claim 3 wherein the response being identified as the transaction issued an output command further comprises saving the output command and related ADS and ADSD information.

1	5.	The method of claim 3 wherein the response being identified as the transaction issued an input	
2	command further comprises:		
3		storing all output commands and associated data in a buffer to allow for simulation	
4		of a 3270 type terminal;	
5		processing all stored output commands;	
6		generating an XML document based upon said output commands which have been	
7		normalized; and	
8		communicating said generated XML document to said client central processing unit.	
	6. ADS.	The method of claims 5 and 11 wherein said processing further comprises generating an	
1- 1- 2- 1- 1- 1- 1- 1- 1- 1- 1- 1- 1- 1- 1- 1-	7. map in	The method of claims 5 and 11 wherein said processing further comprises merging physical formation into an ADS.	
1	8.	The method of claims 5, 9 and 11 wherein said processing further comprises merging the	
2	compo	site ADS into current ADS.	
1	9.	The method of claim 3 wherein the response being identified as the transaction ended	
2	abnormally further comprises:		
3		generating an XML document and communicating said XML document describing	

error to said client central processing unit.

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document.

delimited URL data including an HTTP Query string.

2 occurs in an iterative manner.

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15. An apparatus for facilitating the invocation of a CICS transaction within a server central processing unit via a client communicated central processing unit request, converting said invoked transaction's output to an XML document and transmitting said XML document to said client central processing unit comprising:

a general purpose computer;

a memory that stores a program which XML-enables CICS transactions; and

a central processing unit that, when executing said program, adapts said general purpose computer to facilitate the invocation of a CICS transaction within said central processing unit based upon a a client communicated central processing unit request, converts said invoked transaction's output to an XML document and transmits said XML document

to a client central processing unit.

16. The apparatus of claim 15 wherein said executing program's adaptation of said general purpose computer further comprises:

receiving an input request from a client;

converting said received request to a standardized format;

identifying said request as an initial or subsequent request by determining the presence or non-presence of a token communicated with the request;

creating data structures required to invoke a CICS transaction if initial request, or present data if responding to a prior request;

initiating a CICS transaction if initial request, or providing data to previously initiated transaction if responding to a prior request;

awaiting and identifying response to said transaction initiation or said data provision from a group of possible responses including the transaction issued an output command, the transaction issued an input command, the transaction ended, or the transaction ended abnormally;

continuing process execution based upon results of said identification; generating an XML document based upon said continuing process execution; and waiting for the next communicated input request.